

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000539**Date Inspected:** 14-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai

<b>Quality Control Contact:</b>	ABF Paint Supervisor William (B)			<b>Quality Control Present:</b>	<b>Yes</b>	<b>No</b>	
<b>Material transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Sampled Items:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Stock Transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>OK to Cut:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Rebar Test Witness:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Delayed/Cancelled:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Other:</b>	Surface Preparation and Coatings Application						
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG		
<b>Bid Item:</b>	79, 80, 81			<b>Lot No:</b>	B226		

**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Caltrans QA Coatings Inspector Jordan talked with International Paint Onsite Technical Services Engineer Peng Zi Li and Zhenhua Port Machinery Company, LTD (ZPMC) Production Manager Bevin Dong about the bike path parts. Caltrans QA Coatings Inspectors received an approved RFI from Caltrans pier 7 giving ZPMC permission to alternate methods of surface preparation and coating on the interior of the bike path pieces. Caltrans QA Coatings Inspectors observed ZPMC personnel inside the boxes grinding prior to assembly being completed. It was reported that International Paint will not warrantee the Interzinc 52 coating applied inside the boxes because they do know what kind of holding primer is applied to the substrate. Caltrans QA Coatings Inspector Jordan pointed out to ZPMC and International that the RFI requested the change for irascible areas. If the grinding work is to be performed prior to the cover plate being welded on the bike path box then it is not inaccessible. If grinding can be performed prior to installing the cover then the boxes can be abrasive blasted according to the contract. IP and ZPMC are discussing the issue.

Caltrans QA Coatings Inspector Jordan talked with Caltrans Structural Materials Representative (SMR) Andrew Ferng about the weekly update and unresolved lab issues. Mr. Ferng requested Mr. Jordan's assistance to prepare the weekly SMR report. Mr. Ferng gave Mr. Jordan a verbal update of the outstanding lab issues. SGS lab is performing the tests and getting the results back to Caltrans in a timely manner. SCSPC lab is still taking a lot of time in getting their results back to Caltrans. He is still working to get the issue resolved.

OBG

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## SOURCE INSPECTION REPORT

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Caltrans QA Coatings Inspector Jordan visited the OBG assembly area to see the progress and assess the coatings damage to be repaired. The counterweight sections previously abrasive blasted and primed had metal shavings, puddle water and rust stains on them from yesterdays rain. ZPMC's Bevin Dong was informed of the issue. The specification requires the rust stains to be blast removed and recoated. It was suggested to Mr. Dong that the shavings be cleaned up and the stains cleaned off before the rust reaches the point it cannot be removed by washing or rubbing. If the stains do cannot be removed the pieces will have to be re-blasted. He said he would have the pieces cleaned and talk to the fabrication foreman about cleaning up after the drilling from now on.



### Summary of Conversations:

#### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Jordan,Don	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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